Deviations	from	normal	temperat	ure	Continued.
------------	------	--------	----------	-----	------------

State and station.		for the Sept.	frecord.	r Sept.,	re from	(5) I	Extreme for Sej	month) otember	y mean
	County.	(1) Normal month of	(z)Length ofrecord	(3) Mean for 1891.	, ,		Year.	Lowest.	Year.
Pennsylvania.		0	Years			•		0	
Dyberry	Wayne	58.0	24	60.6			1881	52.5	1871
Grampian Hills	Clearfield		27	64.4	+ 4.0	72.0	1881	54.2	1871
Wellsborough South Carolina.	Tioga	_	12	59.0	+ 0.1	73.8	1881	52.3	1883
Statesburgh Tennessee.	Sumter	72.5	10	72.0	- o. 5	77•9	1881	69.9	1888
Austin	Wilson	71.9	20	71.5	- 0.4	78.2	1881	67.6	1875
New Ulm	Austin	77-3	19	77.6	+ 0.3	81.0	1872	74.6	1889
Strafford	Orange	59-7	18	63. г	+ 3-4	64-4	1879	56.2	1876
Birdsnest Washington.	Northampt'n	70.9	22	71.9	+ 1.0	79· I	1881	61.2	1877
Fort Townsend	Jefferson	57.3	16	55• 3	- 2.0	63.5	1874	53-9	1884
Madison	Dane	60.8	14	67.0	+ 6.2	67.0	r891	57.5	1890
							1		

The maximum temperature was 1 above the highest temperature previously reported for September at Red Bluff and Keeler, Cal., on the 1st, and at La Crosse, Wis., on the 18th, and equaled the highest temperature on record at Duluth, Minn., on the 17th, at Huron, S. Dak., on the 18th, at Grand Haven, Mich., on the 19th, and at Dubuque, Iowa, on the 21st.

The maximum values were above 110 in the lower Colorado and middle and lower Gila valleys, and a reading of 120 was reported at Maricopa, Ariz.; in the central valleys of California, at stations in the west parts of the middle and southern plateau regions, in south-central Oregon, central lower Michigan, south Texas, south New Mexico, and at points in the central valleys east of the 87th meridian temperature above 100 was reported. The lowest maximum temperature was noted in extreme northwest Washington and along the north California coast, where it was 70 or below, and the maximum readings were below 80 in east New England, on the extreme southeast New England coast, and along the immediate Pacific coast north of the 40th parallel.

O MINIMUM TEMPERATURE.

At Keeler, Cal., the minimum temperature on the 30th, 43, was 7 lower than previously reported at that station in September. Minimum temperature below 20 was reported in an area extending over east-central Nevada, and in the northeast part of southern Idaho, and minimum readings below 30 were noted in north New England, north-central lower Michigan, north-central Wisconsin, northwestern Minnesota, the east parts of the Dakotas, and generally over the middle and northern plateau regions, except in parts of Utah and western Colorado, and in the valley of the Columbia River. The highest minimum temperature reported, 70, was noted at Key West, Fla., and the minimum readings were above 60 on the extreme eastern North Carolina coast, along the Atlantic coast south of North Carolina, and along the immediate Gulf coast.

OLIMITS OF FREEZING WEATHER.

The southern and western limits of freezing weather are shown on Chart V. The southern limit is indicated by a line traced over north New England, by lines inclosing areas in north-central lower Michigan and north-central Wisconsin heavy frost of the season is not uncommon in September in New within which the temperature fell below 32, and by a line traced | England, New York, northern Ohio, the upper lake region, and southward over western Minnesota to northern Iowa, thence in the states of the middle and upper Missouri valleys.

westward to central Nebraska, thence northward east of the Missouri River to extreme northeast Montana, thence southward to north-central New Mexico, thence to central Arizona. and thence north of west over southern Nevada to east-central California, and the western limit is shown by this line continued northward over eastern California and central Oregon and Washington to British Columbia. In areas in the plateau region north of this line the minimum temperature was above 32, notably from northern Utah to west-central Colorado, and in the valley of the Columbia River in eastern Oregon and eastern Washington, where the minimum readings were 4 to 12 above the freezing point.

RANGES OF TEMPERATURE.

The greatest daily range of temperature is given in the table of miscellaneous data. The greatest monthly ranges were noted in the middle Missouri valley and from north central Nevada over eastern Oregon, where they exceeded 60. From the Missouri Valley the mouthly ranges decreased eastward to the extreme southeastern New England coast, where they were less than 30, southeastward to 17 at Hatteras, N. C., to 20 at Titusville and Key West, Fla., and on the middle Gulf coast, and from the middle part of the plateau region they decreased to the extreme northwest Washington and northern California coasts, where they were less than 30, and to the extreme southern California coast, where they were less than 40.

FROST. The first light frost of the season was reported at Duluth, Minn., and Lander, Wyo., on the 3d; at Springfield, Ill., on the 4th; in southeast lower Michigan on the 8th; at points in New York and New England from the 8th to 11th; at stations in Utah on the 12th, 16th, and 24th; at Winnemucca, Nev., on the 17th; at Montrose, Colo., on the 19th; at points in northwestern Oregon on the 22d, 23d, and 27th; in eastern Oregon on the 23d; in western Missouri, eastern Kansas, and southwestern Iowa on the 29th; in the mountains of northeastern California on the 29th and 30th; and at Chicago, Ill., and Eureka, Cal., on the 30th.

The first heavy frost of the season was reported at Cheyenne, Wyo., on the 3d; at Baker City, Oregon, on the 24th; at Fort Assiniboine, Mont., and Fort McKinney, Wyo., on the 28th; in eastern Kansas and southeastern Nebraska on the 29th; and at Susanville, Cal., Helena, Mont., and Farm-

ington, Me., on the 30th.

In the interior of the Atlantic coast states frost occurred as far south as south-central Pennsylvania on the 9th to 11th and 30th; in northern West Virginia on the 9th and 10th; on low ground in Carroll county, Md., on the 10th; in the Ohio Valley north of the Ohio River on the 9th and 30th; in Kansas and western Missouri on the 3d, 4th, 28th, and 29th; from the plateau region to south central Arizona on the 25th and 26th; generally throughout the northern half of Nevada at intervals during the second and third decades of the month; in northern California on the 29th and 30th; and in western Oregon and western Washington at intervals during the third decade of

In 1890 the first heavy frost of the season was reported in September at points in the northern tier of states from the Atlantic to the Pacific oceans; along the Atlantic coast to New Jersey; in the central valleys to Ohio, Missouri, and Kansas; in the plateau region to Colorado and Utah; and in Washington and Oregon. Records of previous years show that the first

> PRECIPITATION (expressed in inches and hundredths).

Canada, for September, 1891, as determined from the reports of the departure from the normal are given for regular stations of

The distribution of precipitation over the United States and of miscellaneous meteorological data the total precipitation and nearly 2,000 stations, is exhibited on Chart III. In the table the Weather Bureau. The figures opposite the names of the geographical districts in the columns for precipitation and departure from the normal show, respectively, the averages for the several districts. The normal for any district may be found by adding the departure to the current mean when the precipitation is below the normal and subtracting when above.

The monthly precipitation was greatest over the east and south parts of the Florida Peninsula and on the extreme north Pacific coast, where it was more than 10.00. Precipitation to exceed 10.00 was also reported at Luling, La., and Brazoria, Tex. At stations in the Colorado Desert, California, no rainfall was reported, and less than 1.00 was noted over the greater part of California, generally in the plateau region and on the northeast slope of the Rocky Mountains, and in areas in the west part of the Lake region, the central valleys, Texas, and central Georgia.

DEPARTURES FROM NORMAL PRECIPITATION.

Less than the usual amount of rain fell east of the Rocky Mountains, except in Kansas, the Red River of the North valley, the Canadian Maritime Provinces, the Florida Peninsula, and in small areas in east Maryland and the middle Ohio valley, where there was an excess. The precipitation was also deficient over the south part of the southern plateau and in the Sacramento Valley. The greatest deficiency was noted at Pensacola, Fla., where it was more than 4.00, and it exceeded 2.00 from the upper lake region to the middle Mississippi valley and thence to west Florida, and in the middle Saint Lawrence valley. The greatest excess was reported in extreme northwest Washington, where it was more than 6.00, and it was more than 2.00 at Charlottetown, P. E. I., in west Nova Scotia, and over the Florida Peninsula.

Considered by districts the average percentage of the normal in districts where the precipitation was in excess was about as follows: southern and middle plateau regions, 190; middleeastern slope, 186; north Pacific coast, 152; Key West, Fla., 141; and extreme northwest, 106. In districts where the precipitation was deficient the percentage of the normal was about as follows: Missouri Valley, 29; upper Mississippi valley, 30; upper lake region, 42; southeast slope, 45; east Gulf states, 47; Ohio Valley and Tennessee and lower lake region, 50; middle Atlantic states and northern plateau, 62; New England, 69; west Gulf states, 71; south Atlantic states, 77; and lower

Rio Grande valley, 90.

👣 PRECIPITATION, JANUARY TO SEPTEMBER.

For the period January to September, 1891, inclusive, the precipitation averaged about normal at Key West, Fla., in the Ohio Valley and Tennessee, and on the north Pacific coast. On the northeast slope of the Rocky Mountains the precipitation averaged about one-third greater, and in the middle Atlantic states, the extreme northwest, on the middle-eastern slope of the Rocky Mountains, and over the middle plateau region it was one-tenth to two-tenths greater than usual. In all other districts the precipitation was eight to nine-tenths of the usual amount for the period named.

The greatest precipitation for september. noted at Dodge City, Kans., Santa Fé, N. Mex., Cheyenne, Wyo., Montrose, Colo., and Tatoosh Island, Wash., in 1891; in South Carolina and east Georgia in 1890; from the middle Mississippi valley to south Michigan in 1886; in the valley of the lower Columbia river in 1884; from the middle Missouri valley to Lake Superior in 1881; and from west Pennsylvania to the Virginia and North Carolina coasts in 1876.

YEARS OF LEAST PRECIPITATION FOR SEPTEMBER.

The least precipitation ever reported for September was noted at Vicksburg, Miss.; Austin and Memphis, Tenn.; Lead Hill, Ark.; North Lewisburg, Ohio; Keokuk, Iowa; Chicago, Ill.; Milwaukee and Madison, Wis.; Leavenworth, Kans.; and Valentine, Nebr., in 1891; on the north Pacific coast in 1890; over the northern plateau region and from east Texas to the middle Missouri valley in 1888; in the Red River of the North

Valley and on the North Carolina coast in 1887; along the New England and middle Atlantic coasts in 1884; on the east Gulf coast in 1883; from the middle Missouri valley to west Lake Superior in 1882; and in the lower lake region in 1871 and 1877. In the last 20 years there have been 8 years without rainfall in September at San Diego, Cal.; 5 years at Red Bluff, Sacramento, and Los Angeles, Cal.; 4 years at Winnemucca, Nev., and San Francisco, Cal.; 3 years at Yuma, Ariz.; and 2 years at Cheyenne, Wyo.

In 1891, when the monthly precipitation was the greatest on record for September on the extreme north Pacific coast and at stations in the east-central plateau, it was the least noted for the month at points in the central valleys. It was greatest on the south Atlantic coast and least on the north Pacific coast in 1890, and greatest in the lower valley of the Columbia River and least along the New England and middle Atlantic coasts

in 1884.

DEVIATIONS FROM AVERAGE PRECIPITATION.

The following table shows for certain stations, as reported by voluntary observers, (1) the average precipitation for September for a series of years; (2) the length of record during which the observations have been taken and from which the average has been computed; (3) the total precipitation for September, 1891; (4) the departure of the current month from the average; (5) and the extremes for September during the period of observation and the years of occurrence:

		•	(1) Average for the month of Sept	2) Length of record.	r Sept.,	e.C	(5) E	xtreme	s for Se	ept.
	State and station.	County.	verage onth of	ength of	Total for 1891.	Departure from average.	Frea	test.	()Lei	ast.
			E)	(z) L	(3) 1	(4) D	Am't.	Year.	Am't.	Year.
	Arkansas. Lead Hill California.	Boone	Inches 4·93	Years 10	Inches 0-33	Inches. -4.60	Inches. 12.08	1890	Inches 0.33	1891
	Sacramento	Sacramento .	0.15	42	0.07	-0.08	1.42	1890	0.00	*
i	Middletown	Middlesex	3.46	33	3.46	0.00	11.64	1882	0.49	1881
	Florida. Merritts Island	Brevard	7.91	13	10.70	+2.79	23.78	1878	2.88	1883
	Georgia. Forsyth	Monroe	3.60	17	1-35	-2.25	8.69	1888	0.10	1886
	Illinois. Peoria	Peoria	3.47	35	2.00	-1-47	9.63	1875	0.60	1867
	Riley	McHenry		40	0.87	-2.74	8.89	1872	0.21	1877
	Logansport Vevay Iowa.	Cass Switzerland.	3·45 3·43	15 26	1.61	-1.84 -1.79	6.66 15.25	1859 1866	0·24 0·47	1882 1871
	Cresco	Howard	4.11	18	0.99	-3.12	10.03	1881	0.82	1888
	Monticello Logan	Jones Harrison	4 · 04 3 · 44	36 25	0.64 1.74	-3.40 -1.70	10.15 9.90	1881 1870	0.00	1871 1882
	Kansas. Lawrence	Douglas	3.41	26			9.15	1884	0.23	1888
	Wellington Louisiana.	Sumner	3.72	12			11.19	1881	1.10	1884
	Grand Coteau Maine.	St. Landry	3.53	8			10.58	1885	0.37	1888
1	Orono Maryland,	Penobscot	3.41	21	3.68	+0.27	6.97	1888	0.95	1887
١.	Cumberland Massachusetts.	Allegany	2.96	20	2.46	0.50	8.50	1882	0.40	1873
1	Amherst	Hampshire	3 - 44	56	2.25	-1.19	11.85	1882	0-37	1865
1	Newburyport	Essex Bristol	3.20 3.06	12 19	1.66 2.66	-1.54 -0.40	8-47 7-27	1888 1888	0.87	1884 1884
	Michigan. Kalamazoo	Kalamazoo	3.39	15	1.40	-I-99	6.28	1879	0.53	1882
	Thornville Minnesota.	Lapeer		14	3.96	+1.15	5-25	1879	0.95	1883
	Minneapolis Montana.	Hennepin	i	25	1.92	1.65	11-45	1869	0.15	1882
	Fort Custer New Hampshire.	Custer	0-77	12	1.30	+0.53	1.72	1890	0.03	1879
١	Hanover	Grafton	3.01	50	1.54	-1.47	7.03	1840	0.27	1884
	Moorestown South Orange	Burlington Essex	3.85 4.13	28 21	3·33 2·76	-0.52 -1.37	11-71 14-45	1882 1882	0. 16 0. 15	1884 1884
ļ	New York. Cooperstown	Otsego	3.36	37	1.41	-1.95	7.24	1890	1-17	1871
١	Palermo	Oswego	-	37	1.66	-1.65	7.55	1890	1.04	1880
į	Lenoir	Caldwell	4.19	19	3.10	1.09	8.50	1878	0.40	1871
	N. Lewisburgh Wauseon	Champaign Fulton	3·44 2·34	19 19	0.70 0.86	-2.74 -1.48	8. 20 5. 29	1890 1879	0.70 0.55	1891 1871
	Oregon. Albany Eola	Linn Polk		13 21	2. I9 2. 51	+0.45 +0.96	5.61 6.57	1884 1884	0.05	1890
	Pennsylvania. Dyberry	Wayne	2.86	22	2.37	-0.49	6.49	1888	1.04	1885
į	Grampian Hills Wellsborough	Clearfield	3.38	20 12	2.38 2.30	-1.00 -1.25	6.36 8.40	1868 1880	1.75	1885 188 8

		for the Sept.	of record.	r Sept.,	e.	(5) E	ktremes	for Se	ept.
State and station.	County.	(1) Average month of		Total for 1891.	Departure average.	Greatest.		Least.	
		(1) Average month (2) Length		(3) T.	(4) De	Am't.	Year.	Am't.	Year.
South Carolina.		Inches	Years	Inches	Inches.	Inches.		Inches	
Statesburgh Tennessee.	Sumter	3.60	10	3.00	-0.54	6.67	1884	0.75	1887
Austin	Wilson	3.90	21	1.12	-2.78	10.20	1868	1.12	1891
New Ulm	Austin	5-45	19	2.54	-2.91	15.08	1874	0.90	1872
Strafford Virginia.	Orange	3.68	18	1.60	-2.08	6.30	1880	0.70	1884
Birdsnest	Northampton	3.64	22	2.05	-1.59	9.25	. 1890	0.00	1884
Fort Townsend Wisconsin.	Jefferson	1 - 24	16	1.78	+0.54	5 ·7 9	1874	0.15	1890
Madison	Dane	3.31	21	0.38	-2.93	8. 17	1881	0.38	1891

*Generally.

EXCESSIVE PRECIPITATION.

The following tables show, by states, the number of stations reporting monthly precipitation to equal or exceed 10.00; precipitation to equal or exceed 2.50 in 24 hours; and precipitation to equal or exceed 1.00 in 1 hour in September, 1891:

Monthly precipite	ation t	o equal or exceed 10.00.	
State.	Number of stations.	State.	Number of stations.
Florida		Louisiana Texas	ĭ

Precipitation to equal or exceed 2.50 in 24 hours.

State.	Number of stations.	Dates.	State.	Number of stations.	Dates.
Florida	9	1-2, 5, 6, 9, 10, 10-11, 12, 19, 30, 22, 23, 24, 24-	Connecticut. District of Columbia . Kansas. Maryland	2 2 2 2	6, 6-7. 6. 7-8, 24, 26. 5-6, 6.
Louisiana	6	25, 25-26, 29-30, 30. 11, 20, 20-21, 27-28.	Ohio Oklahoma Territory Arkansas Indiana	2	5. 8-9, 26-27. 28.
Mississippi New Jersey Washington Alabama		10, 20. 5, 5-6. 17, 18. 12-13, 28.	Massachusetts South Carolina Virginia	I I I	7. 4- 5-

CaPrecipitation to equal or exceed 1.00 in 1 hour.

State.	Number of stations.	Dates.	State.	Number of stations.	Dates.
Florida	10	2, 6, 11, 20, 22, 27, 29,	Minnesota New Hampshire	r	19. 18?
Louisiana	5	30. 3, 14, 16, 20- 21, 29.	New YorkOklahoma Territory Tennessee	I I	16. 8. 3.
South Carolina	2 I I	6. 28. 6.	Texas	I	30. 5.

The following tables show the number of years for which monthly precipitation to equal or exceed 10.00 inches, daily precipitation to equal or exceed 2.50 inches, and hourly precipitation to equal or exceed 1.00 inch has been reported in the several states and territories for September during the last 22 years:

Excessive monthly precipitation.

State.	No. years noted.	State.	No. years noted.
Florida Texas North Carolina Georgia Iowa New Hampshire Alabama Kansas Louisiana Mississippi Virginia Indiana Masachusetts Nebraska New Jersey Pennsylvania South Carolina	8 6 6 5 5 5 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Missouri Wisconsin Ohio Delaware Michigan New York Washington Arkansas Connecticut District of Columbia Illinois Indian Territory Kentucky Maryland Minnesota Oregon Vermont	. 32

Excessive daily precipitation (24 hours).

State.	No. years noted.	State.	No. years noted.
North Carolina. Texas Florida Georgia Mississippi South Carolina Kansas Virginia Illinois Ilowa Tennessee Alabama Mishigan Mishigan Mishigan Mishigan Connecticut The Dakotas Pennsylvania	18 17 15 15 15 13 12 12 12 12 11 11 11 10 9 9 8	Kentucky Minnesota Nebraska New York Indiana Maryland Indian Territory Massachusetts New Hampshire District of Columbia Oregon Vermont West Virginia Maine Arizona Washington California Colorado Delaware Montana New Mexico	777766443333222211
New Jersey	8	Rhode Island	1

Excessive hourly precipitation.

State.	No. years noted.	State.	No. years noted.
Texas Florida Georgia North Carolina. Illinois Kansas New York Tennessee Louisiana South Garolina Iowa Michigan Pennsylvania. Alabama Arizona Mississippi Ohio	15 13 10 97 66 66 55 44 44 43 33 3	Indian Territory Virginia. Arkansas Indiana. Kentucky Missouri West Virginia. Minnesota New Hampshire The Dakotas District of Columbia. Maine Massachusetts New Jersey Vermont Wisconsin Connecticut	

The following tables give exceptionally heavy monthly, daily, and hourly precipitation reported for September during the last 22 years:

Station and state.	Am't.	Year.	Station and state.	Am't.	Year.
Brownsville, Tex saint Marys, Ga. Elsworth, N.C. Salveston, Tex Paterson, N. J. Biscayne, Fla. Saint Augustine, Fla.	27.41 26.50 26.01 25.98 25.10	Year. 1886 1885 1881 1885 1882 1878	Merritts Island, Fla Mayport, Fla. Brunswick, Ga Homeland, Fla Jacksonville, Fla Spartanburgh, S. C. Wilmington, N. C.	23.24 22.08 21.15 21.12 20.44	Year. 1878 1885 1885 1890 1878 1888 1877

		Daily (24	hours).						Table of excessive p	— <u> </u>		-Conti	nued.				
Station and state.	Amon and state. Parts of the pa				е.	Amount.		Laic.	State and station.	v rainfall	or m	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of r or more, in hour.			
Paterson, N. J 17-90 21-22, 1882 Wythevil Elsworth, N. C 13.00 15-16, 1881 Mobile, A				ille, Va Ala		nches. 7.02 7.00	12, 1878 18, 187	8, 1877		Month	ro inches,	Amt.	Day.	Amt.	Time.	Day.	
Genoa, Nebr 10.60 1.1887 Fo			Fort Ha Shrevep Portsmo		7.00		2, 1871 7, 1875	Indiana,	Inc	hes. I	nches.		Inches	h. m.			
Mayport, Fla Luling, La Merritts Island, Fla	9.32	9, 1878	: Homelai	nd, Fla		7.00 6.85 6.50	ì	2, 1884 1, 1890 8, 1890	Huntingburgh	+	1	3.50		į	• • • • • •	¦·····	
Brownsville, Tex 8-50 21, 1887 Greenwood, S. C 8-35 10, 1888			Milledgeville, Ga South Canisteo, N. Y. Columbia, Tex			6.48 I		o, 1890 1, 1890	Downs		!	3.30	24				
Nashua, Iowa Key West, Fla		25, 1550 21-22, 1889 4, 1889	Hot Spri	ings, Ark . ., Tex La		6.45	22-2	3, 1890 4, 1891	Louisiana.	!		3.00					
College Station, Tex Jesup, Ga Jesup,	7.84 7.82 7.52	27, 1885 10-11, 1889	Minden,	La		5·72 5·50	2	2, 1890 0, 1891	Edgard			4-67	20	1.36	I 00 	2	
South Fork, Ky	7.50	17-18, 1889 23, 1882	Midland Charlest Wedgwo New Bra	on, S.C.		5.42	24-2	5, 1890 0, 1890	Emilie			4.70		2.30	1 00	ı	
Mt. Washington, N. H.	7·50 7·41 7·40	15, 1880 10, 1888	New Bra	unfels, T lle, Mo	e x	5. 27 5. 20		8, 1890 9, 1890	Luling	:::::	····i	9.32 3.25 4.01	11 .	9.32		20-2	
Wilmington, N. C	7.30	10, 1880	Brewer	Mine, S.C		5. 20		4, 1890	Sugar Experiment Station	•••••	• • • • • .			1.20		1	
One hour and less.							·		Baltimore			4.00 2.70		•••••			
						-	1		Massachusetts. Blue Hill			2.95	İ				
8	tation a	ind state.			Amount.	je j		e.	Minnesota, Moorhead				- 1	1.10		1	
					Am	Time.		Date.	Mississippi. Bay Saint Louis			3.20	20	. .		ļ	
					Inches	h. n			Bay Saint Louis		••••	2.60 3.23					
Demos, Ohio				• • • • • • • • • • • • • • • • • • • •	. 2.0	0 0 0	5	5, 1890 6, 1891									
Jacksonville, Fla Key West, Fla Jupiter, Fla			• • • • • • • • • •	0.4	5 0 0	5 2	8, 1891 8, 1891	Freehold		• • • • •	2.52						
New York, N.Y.			• • • • • • • • • • • • • • • • • • • •	0.3	8 00	5 I	6, 1891 7, 1890	New York,]			2.00	1 30	,		
Do				. 0.3	5 0 0	5 1	2, 1890 14, 1890	Ohio, Elyria Oberlin			2.74	5					
ar . e. 11 - 17 .			1 -	2 0 0	Š I	14, 1890 5, 1890	Oklahoma Territory.	••••	• • • • •	2.75			•••••	• • • • •			
Norrolk, va. Uupiter, Fla. Washington, D. C. New York, N. Y.				0.3	0 0 0	5 I	11, 1890 21, 1882	Oklahoma Territory. Buffalo Oklahoma City South Carolina.		•••••	4.52		2.64	0 42			
Ladrannilla Fla			. 1.5	0 0 1	1 0	6, 1891	Charleston					2.30	1 15				
Pine Apple, Ala Norfolk, Va Alpena, Mich						0	5, 1890 6, 1891						1.30	I 00			
Omaha. Nebr				. 10	5 0 I	5 2	10, 1884 28, 1881	Franklin					1.00	0 40			
Howe, Tex Emilie, La			• • • • • • • • • • • • • • • • • • •	3.0	4 0 2	:0	3, 1891	Big SpringBrownsville		•••••	3·50 2·90	30 25-26	3.50	2 30	;		
Fort Riley, Kans					. I.O	0 0 3	30 I	15, 1870 13, 1877	BrazoriaDo	1	1.49	2.53 6.03	22-23				
Charleston, S.C. Cedar Keys, Fla. Rio Grande City, Tex				• • • • • • • • • • • • • • • • • • •	. 1.7	3 0 3	5 2	2, 1888 26, 1879	Galveston		• • • • •	2.75 5.50	24-25 29-30				
Monroe, La				4.1	2 0 4	5	9, 1880 9, 1880	Odessa Silver Falls			2.85 2.82	30					
Fort Meade, Fla Luling, La	• • • • • • • • •	••••••			3.5			6, 1891 21, 1891	Virginia. Stanardsville			2.53	- I	2.53			
Table o	f exces	ssive precipi	itation.	Septemb	er. 18	' 91.			Lanush			3.30	18				
			1 - 6		ا ن				Neah Bay Tatoosh Island	I	0.78 1.06	4.40 3.40					
			rainfal or more	Rainfal inches more,	or in 24		fall of : nore, it hour.		Received too late for publication in August, 1891.								
State and s	tation.		7.8°	hou	· · · ·		<u>u</u>		Arızona.			1					
			fonthly inches,	Amt.	Day.	Amt.	Time.	Day.	Chiricahua Mountains			2.50	12	2.50 2.00	I 00 2 00		
			M O	¥	α	4	<u> </u>	<u> </u>	North Carolina. Washington		1.93	2.71	30		 		
Alaba			Inches.	Inches. 2.98	12-13	Inches	h. m.								<u></u>		
DaphneFort Deposit				3.40	28	1.So		28	MAXIMUM RAINFAL							,a	
Arkan Texarkana	sas.			3.05	28		ļ		The following table is a reing September, 1891, for per	riods -	or in	e nea ce and	viest Lten	ran	ntan	aui an	
Connect New Haven				2.65	6-7	1.35	1 00	6	one hour, as reported by regu	lar sta	itions	s of th	e We	athe	r Bu	ırea	
Wallingford	Columbia	7.]	2.57	6				furnished with self-registeri	ng ga	uges	:					
Distributing Reservoir				2.83 3.85	6							Maximu	nı fall i	in			
Amelia Florida.				2.59	10		ļ		Station.								
De Land (1)			3·45 2·84	9 30	2.20	I 00	30		5 min.	Date.	10 min	. Date	. 1 h	our.	Date		
Fort Meade			3.50	6	3.50 1.00	0 30	22		Inch.		Inch.		J	ch.			
Homeland			3·45 2·70	5 12	2.25	2 00	6	Atlanta, Ga Bismarck, N. Dak	0.02 0.03	11 23	0.03		I	0. I2 0. 20			
Tankanasilla	Jacksonville			3. 19 3. 79	6 10–11	1.08	I 00 I 00 I 00	11 2	Boston, Mass Buffalo, N. Y	0.03	23 7 29	0.06	- 1	7 0	0. 17		
Do						1.05 1.05 1.10	0 40	27 27 29	Cincinnati, Ohio	0.05	29				0.25		
Do Jupiter Do				[••••••]•		1.10	I 00	29	Cleveland, Ohio	11.0	13	0.75	-1		0.42		
Do			10.39]····· ·		11.50	1	1	Denver Colo								
Do. Jupiter. Do. Do. Do. Mery West Merritts Island. Micco	· · · · · · · · · · · · · · · · · · ·		10.39 10.70 13.70	2.72	19				Denver, Colo	0.08 20.0	22 29	0.02 0.12	2	9 0	0.05		
Do			10.39 10.70 13.70	2.72 2.55	19 10	2.18		27 6	Denver, Colo	10.0	22	0.02 0.12 0.20 0.30	12, 2 12, 2	2 0 9 0 4 0	0.05		